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(54) **Socket connections over a serial link**

(57) A method for communication includes coupling a client device (22) to communicate with a host computer (30) over a serial link (26). Responsively to a call from a client application (48) running on the client device, the client device submits a request over the serial link to the host computer to open a proxy connection for communication between the client application and a server application. Responsively to the request, the host computer

creates a socket (54) for communication with the server application (34), so as to establish the proxy connection via the socket. The host computer and client device convey data between the server application and the client application over the serial link using the proxy connection.



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EUROPEAN SEARCH REPORT

Application Number
EP 05 25 0753

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	MURALI RANGARAJAN ET AL: "TCP Servers: Offloading TCP Processing in Internet Servers. Design, Implementation, and Performance"[Online] March 2002 (2002-03), XP002286342 Rutgers University Retrieved from the Internet: URL:http://discolab.rutgers.edu/split-os/dcs-tr-481.pdf> * page 4, left-hand column, line 13 - line 29; figure 2 * * page 7, left-hand column, line 1 - right-hand column, line 32; figure 5 *	1-26	G06F9/54 H04L29/06 H04L29/08
X	HAAS Z J; WARKHEDI A: "he design and performance of mobile TCP for wireless networks" JOURNAL OF HIGH SPEED NETWORKS, vol. 10, no. 3, 2001, pages 187-207, XP002353175 IOS Press Netherlands * abstract * * page 191, line 1 - page 193, line 10 *	1-26	TECHNICAL FIELDS SEARCHED (IPC) G06F H04L
A	US 6 434 620 B1 (BOUCHER LAURENCE B ET AL) 13 August 2002 (2002-08-13) * abstract; figure 1 *	1-26	
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 9 November 2005	Examiner Ross, C
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US 6434620	B1	13-08-2002	US 2004003126 A1	01-01-2004

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82